

Fig. 1

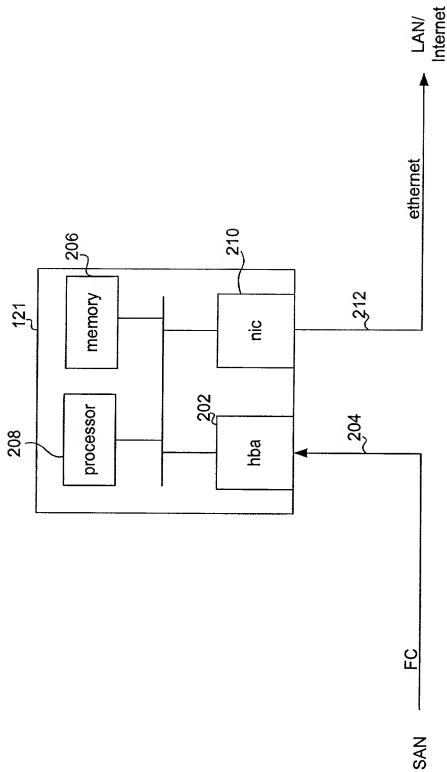


Fig. 2

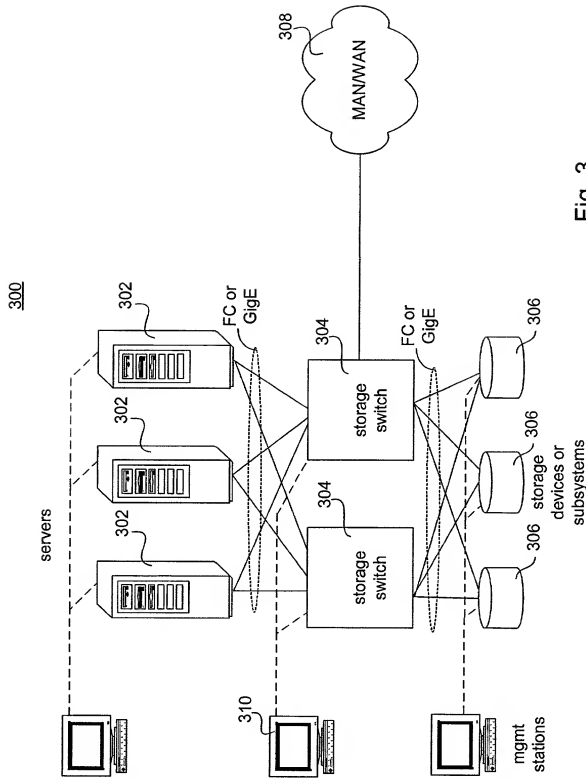


Fig. 3

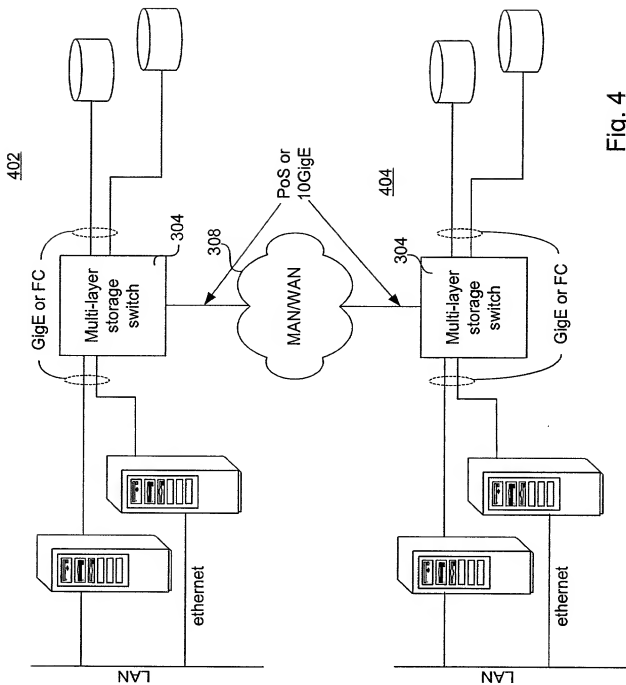
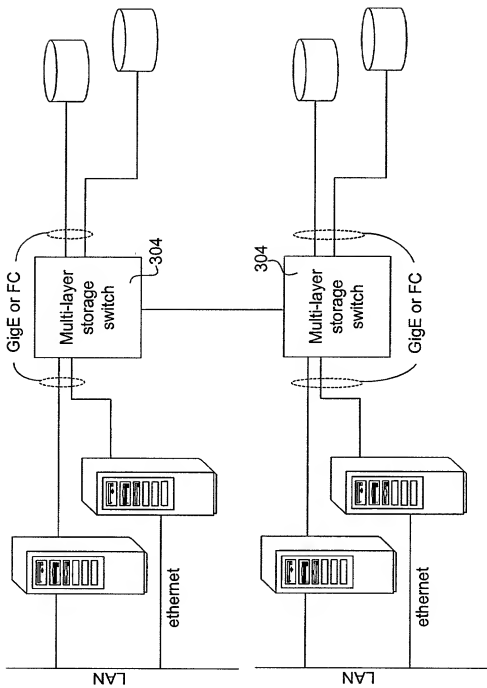


Fig. 4



304

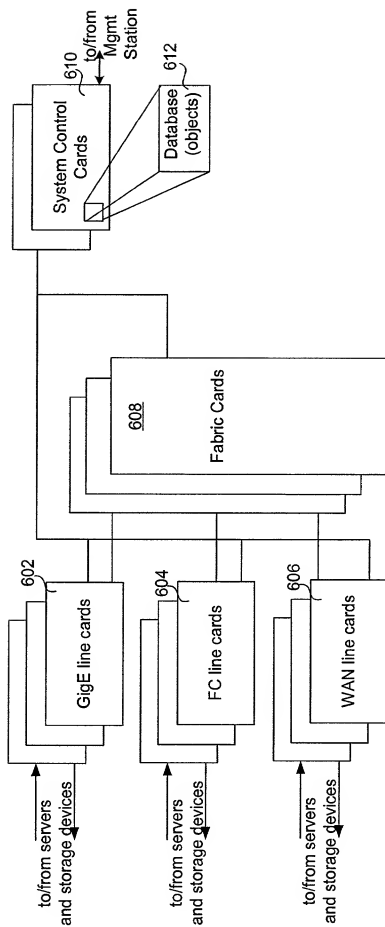


Fig. 6

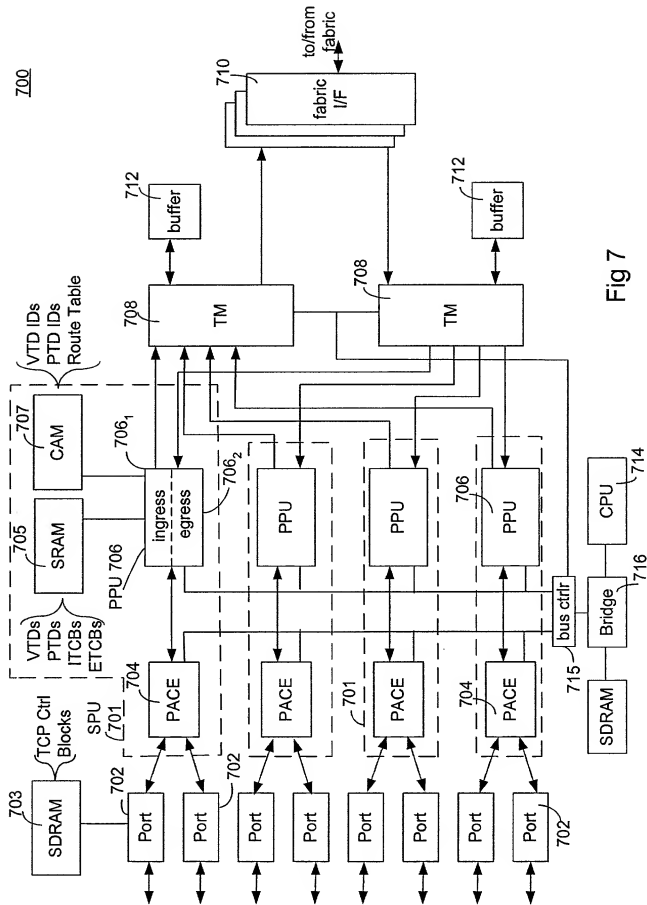
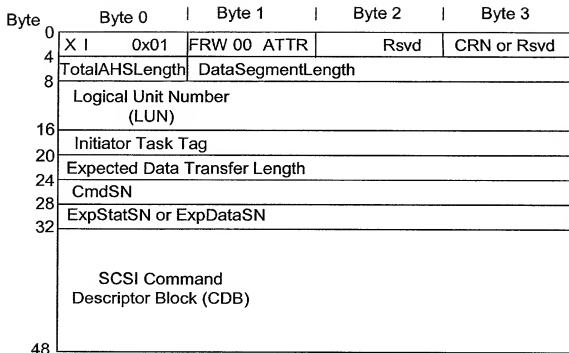


Fig 7

VTD

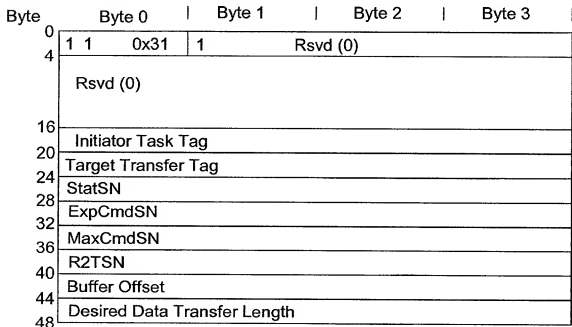
VTD ID
FlowID
Extent Descriptors (e.g., size, location)
of outstanding commands
Max # of commands
Response time
LUN
TCP control block index
S_ID/D_ID
MaxCmdSN
Total open sequences

Fig. 7a



iSCSI Command PDU

Fig. 8a



iSCSI R2T PDU

Fig. 8b

Byte	Byte 0	Byte 1	Byte 2	Byte 3
0	0 0	0x05	F	Rsvd (0)
4	Rsvd (0)		DataSegmentLength	
8	LUN or Reserved (0)			
16				
20	Initiator Task Tag			
24	Target Transfer Tag or 0xffffffff			
28	Rsvd (0)			
32	ExpCmdSN			
36	Rsvd (0)			
40	DataSN			
44	Buffer Offset			
48	Rsvd (0)			
	Data			

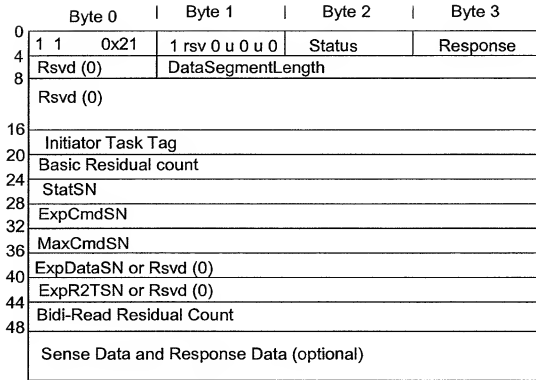
iSCSI Write Data PDU

Fig. 8c

	Byte 0	Byte 1	Byte 2	Byte 3
0	1 1	0x25	F	O U S
4	Rsvd (0)	Rsvd (0)		
8	DataSegmentLength			
16	Rsvd (0)			
20	Initiator Task Tag			
24	Rsvd (0)			
28	StatSN or Rsvd (0)			
32	ExpCmdSN			
36	MaxCmdSN			
40	DataSN			
44	Buffer Offset			
48	Residual Count			
	Data			

iSCSI Read Data PDU

Fig. 8d



iSCSI Response PDU

Fig. 8e

Bits Word	31-24	23-16	15-08	07-00
0	R_CTL	D_ID		
1	rsvd	S_ID		
2	TYPE	F_CTL		
3	SEQ_ID	DF_CTL	SEQ_CNT	
4	OX_ID		RX_ID	
5	RLTV_OFF			

FC Frame Header

Fig. 8f

Field Name	Description	Size
FCP_LUN	logical unit number	8 bytes
FCP_CNTL	control field	4 bytes
FCP_CDB	SCSI command descriptor block	16 bytes
FCP_DL	Data Length	4 bytes

FCP_CMND Payload

Fig. 8g

Field Name	Description	Size
DATA_RO	Relative offset of first byte of FCP_DATA IU that follows	4 bytes
BURST_LEN	length of FCP_DATA IU that follows	4 bytes
rsvd		4 bytes

FCP_XFR_RDY Payload

Fig. 8h

Field Name	Description	Size
rsvd		4 bytes
rsvd		4 bytes
FCP_STATUS	field validity and SCSI status	4 bytes
FCP_RESID	residual count	4 bytes
FCP_SNS_LEN	Length of FCP_SNS_INFO field	4 bytes
FCP_RSP_LEN	Length of FCP_RSP_INFO field	4 bytes
FCP_RSP_INFO	FCP response info	m bytes
FCP_SNS_INFO	FCP sense info	n bytes

FCP_RSP Payload

Fig. 8i

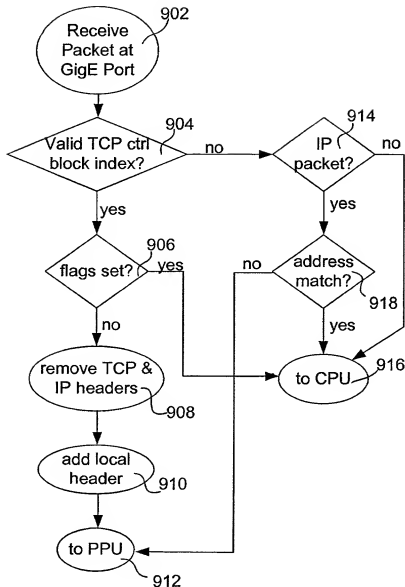


Fig 9a

(Classification - PACE - iSCSI - ingress)

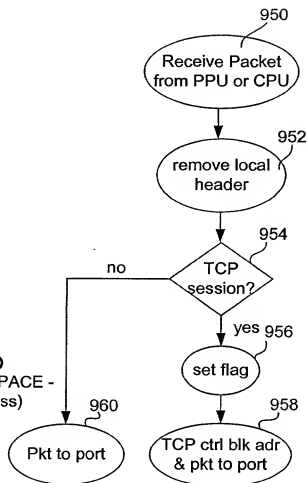


Fig 9b

(Classification - PACE - iSCSI - egress)

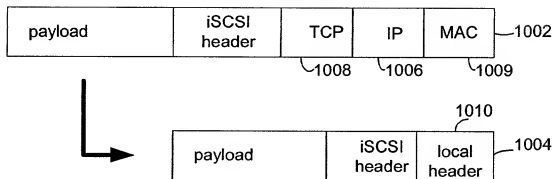


Fig. 10a

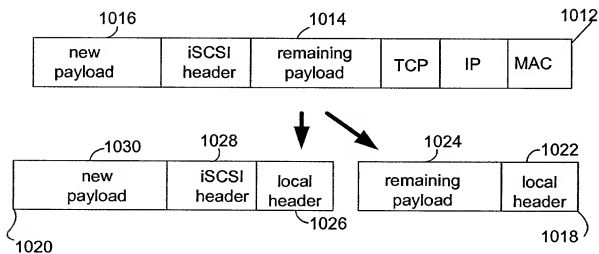


Fig. 10b

1100

Local Header

VTD ID
FlowID
TCP Control Block Index
Type
Size
Task Index
Source (Port, PACE, Linecard, CPU)
Destination (Port, PACE, Linecard, CPU)

Fig. 11

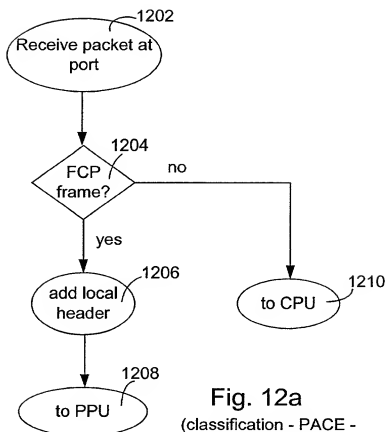


Fig. 12a
(classification - PACE -
FCP - ingress)

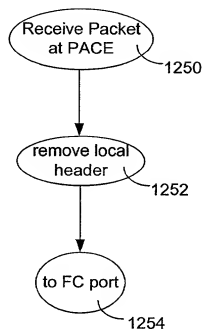


Fig. 12b
(classification - PACE -
FCP - egress)

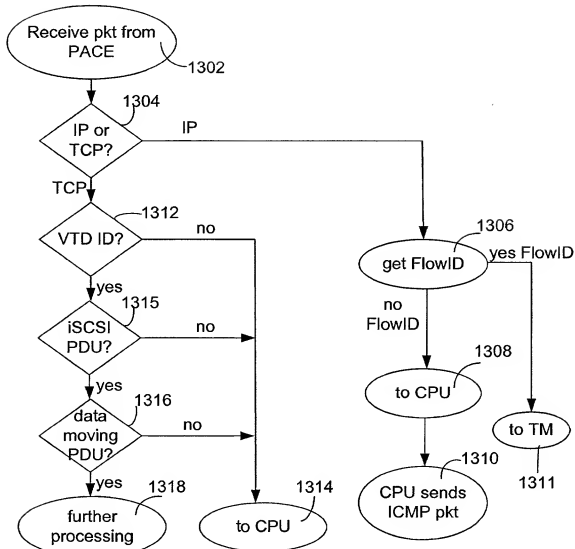


Fig. 13a

(Classification - PPU - ingress)

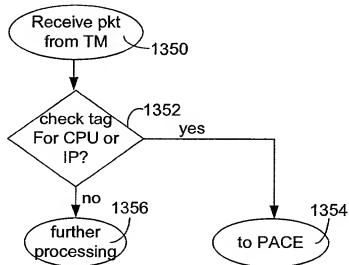


Fig. 13b

(Classification - PPU - egress)

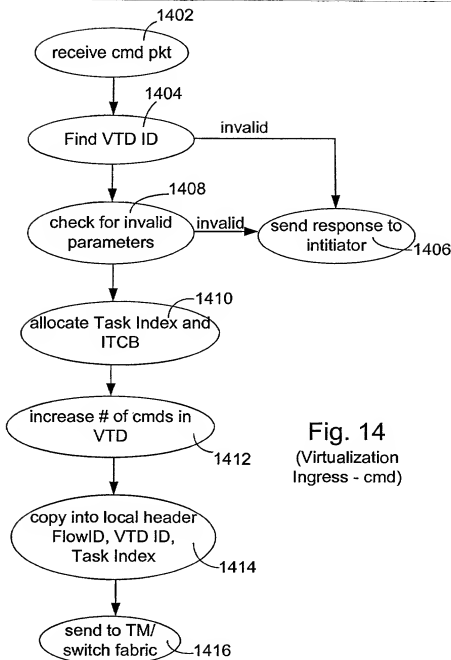


Fig. 14
(Virtualization
Ingress - cmd)

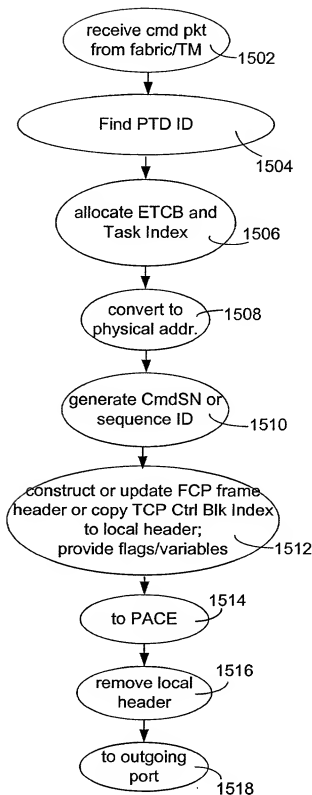


Fig. 15
(Virtualization -
Egress - cmd)

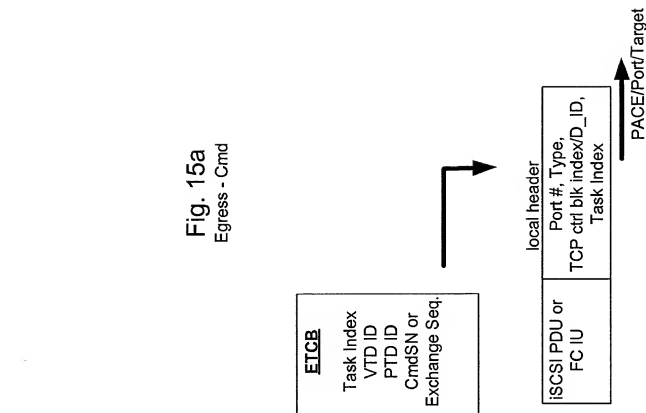


Fig. 14a
Ingress - Cmd

Fig. 15a
Egress - Cmd

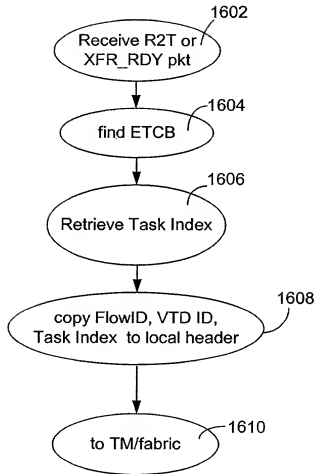


Fig. 16
(Virtualization - Ingress -
R2T/XFR_RDY)

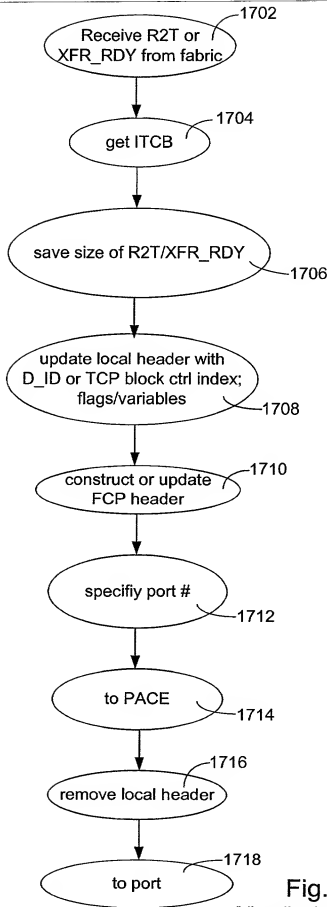
**Fig. 17**(Virtualization - Egress -
R2T/XFR_RDY)

Fig. 17a
 Egress - R2T/XFR_RDY

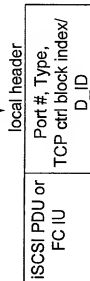
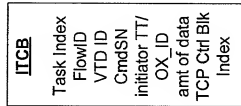
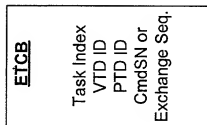
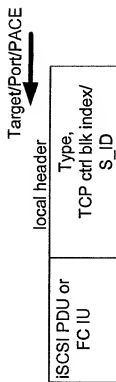
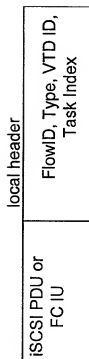
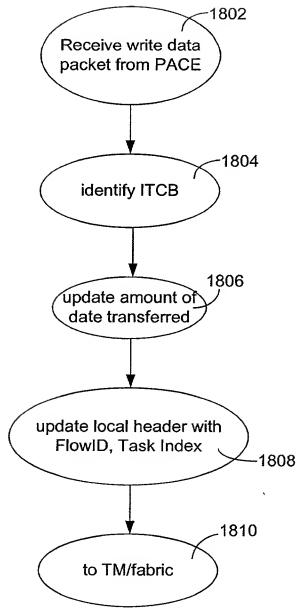


Fig. 16a
 Ingress - R2T/XFR_RDY



TM/Fabric

**Fig. 18**

(Virtualization - Ingress -
write data packet)

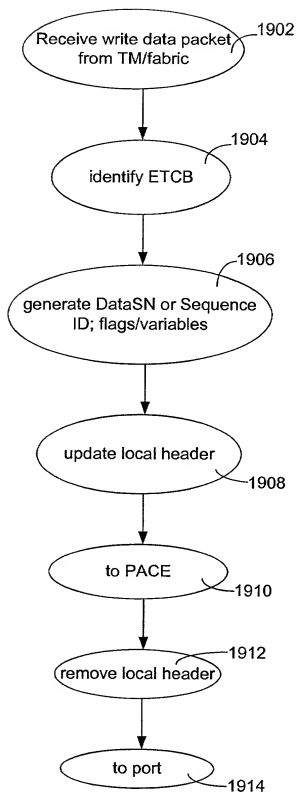


Fig. 19
(Virtualization - Egress -
write data pkt)

Initiator/Port/PACE

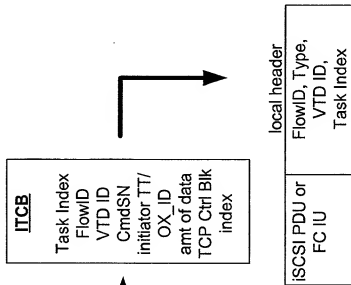
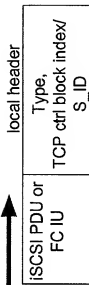
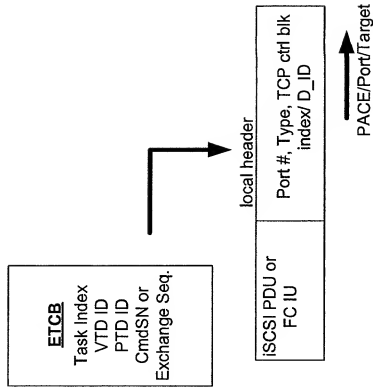


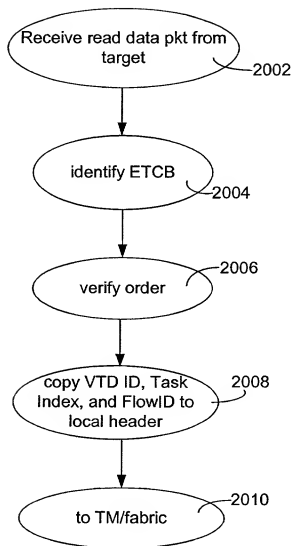
Fig. 18a

Ingress - Write Data

Fig. 19a

Egress - write data



**Fig. 20**

(Virtualization - Ingress -
Read Data pkt)

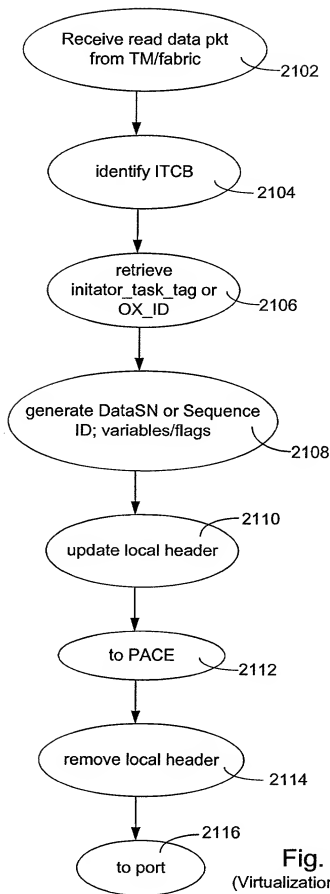


Fig. 21
(Virtualization - Egress-
Read Data pkt)

Fig. 21a
 Egress - Read Data

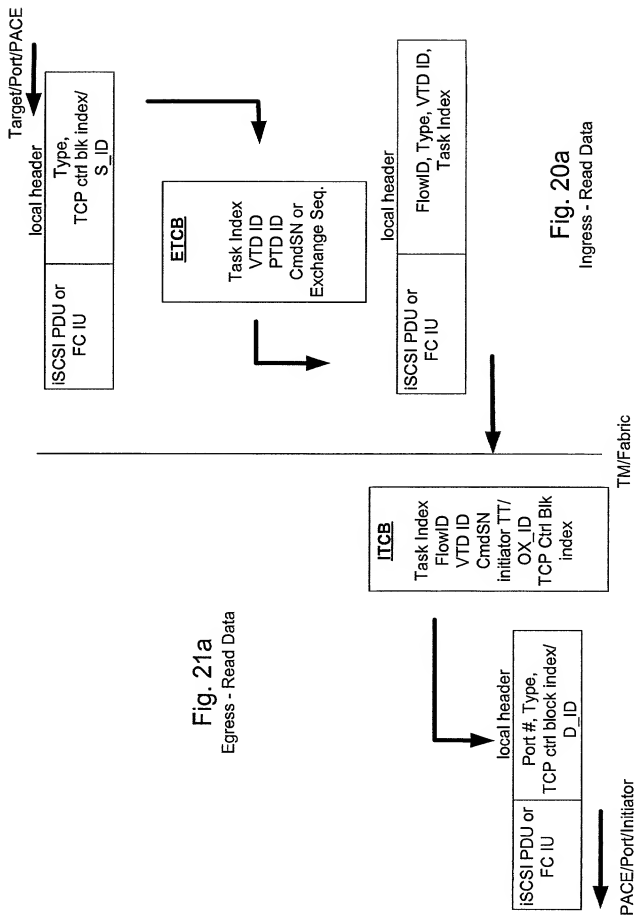


Fig. 20a
 Ingress - Read Data

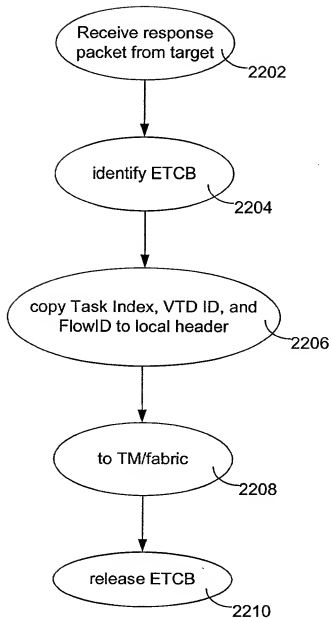


Fig. 22
(Virtualization - Ingress -
response pkt)

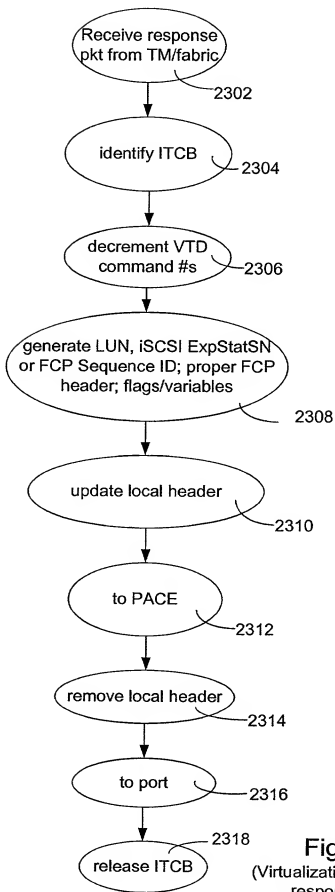


Fig. 23
(Virtualization - Egress -
response pkt)

Fig. 23a
 Egress - Response

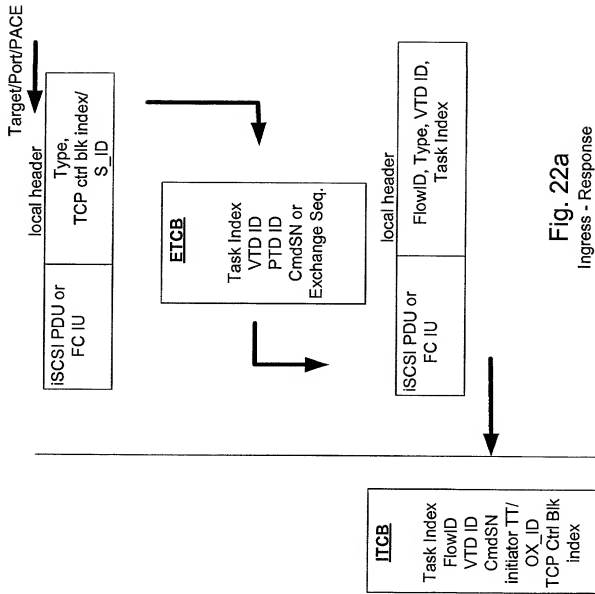
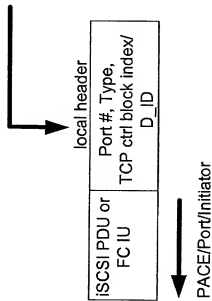


Fig. 22a
 Ingress - Response

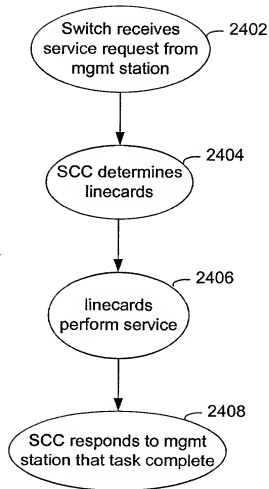


Fig.24

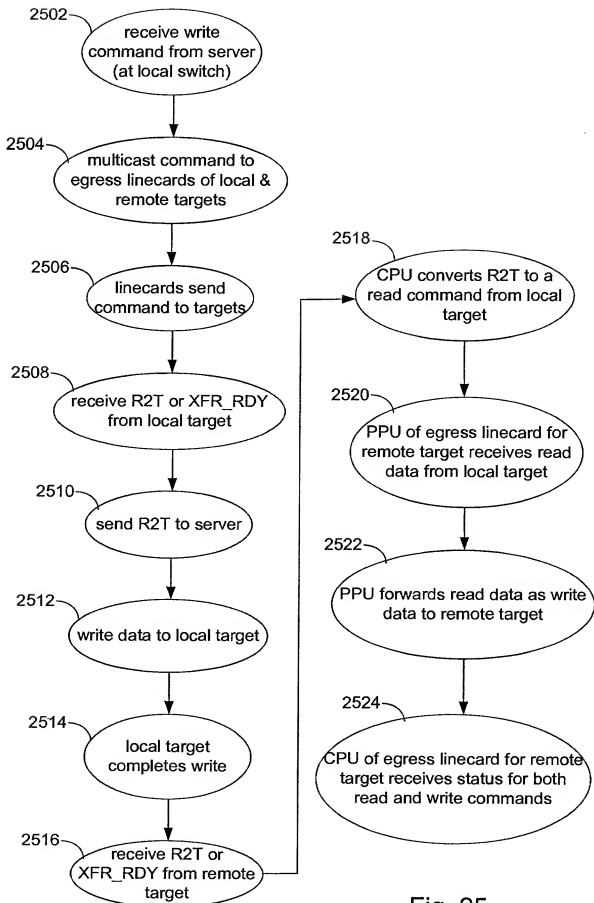


Fig. 25

2025 RELEASE UNDER E.O. 14176

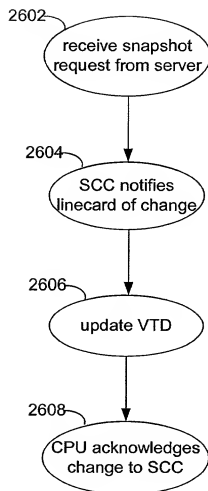
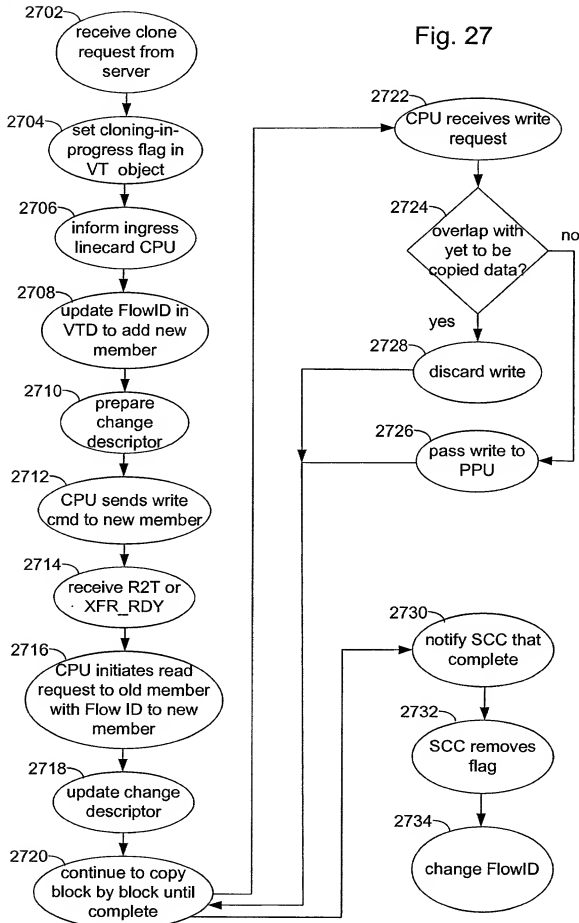


Fig. 26

Fig. 27



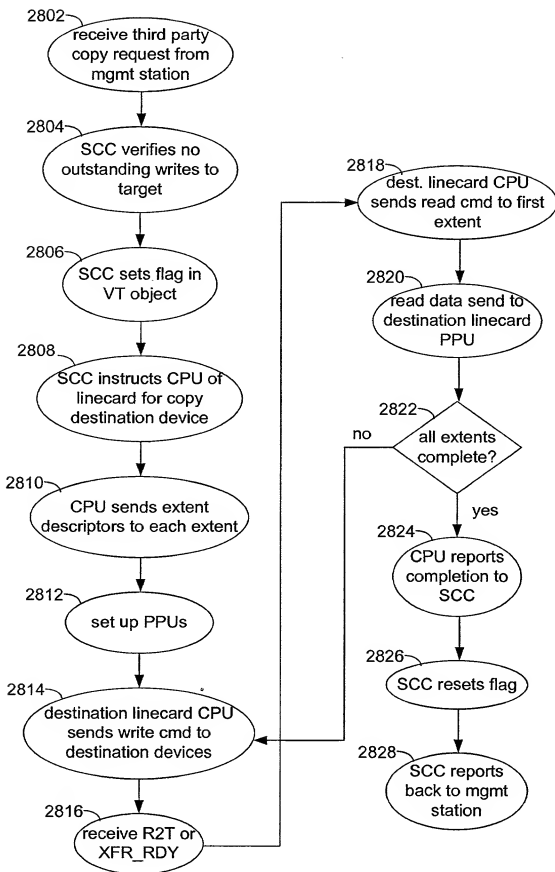


Fig. 28